

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D117-762 REV. E OR LATER APPROVED REVISION AND
INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D117-762 REV. 4 OR LATER APPROVED REVISION

REF. FAA STC: SR01853SE
REF. TCCA STC: LOA RDIMS-4374899
REF. EASA STC: 10017063
REF. DGAC MEXICO STC: IA-376/2016

1.0 PURPOSE

D145-762-013/-113 Skidtubes at CHG 007 have been upgraded with aft wearplates with improved durability. Customers needing replacement wearplates for D145-762-013/-113 skidtubes at CHG 006 and earlier will need to install an additional nutplate at the aft saddle location for compatibility with the upgraded aft wearplate design. This service instruction provides instructions for customers to modify their D145-762-013/-113 Skidtubes at CHG 006 and prior with these nutplates. Components required to modify one skidtube are included in the DSI9825-011 Nutplate Kit, or can be sourced by the customer.

2.0 PROCEDURE

- 2.1 Obtain replacement wearplate per Table 1 of this service instruction.
- 2.2 Hoist or jack the aircraft per the Aircraft Maintenance Manual.
- 2.3 Remove and retain the D2965 Aft Cap per ICA-D117-762 Section 32.4.
- 2.4 Locate and drill holes for nutplates as shown in Figure 1. It is permissible to transfer mark by locating upgraded wearplate to skidtube. Drill holes on outboard side of the skidtube through the skidtube wall only. Use caution not to drill into or damage the web.
- 2.5 Deburr holes and clean debris from inside the skidtube. Touch-up holes with chemical film material (Alodine 1200) per MIL-DTL-5541.
- 2.6 Install the MS21048L4 Nutplate using the CR1122-3-02.5 Rivets and appropriate tool and pulling head. Follow the tool manufacturer's instructions. Wet install the rivets using Proseal 890/1422 or MIL-S-8802 sealant.
- 2.7 Re-install the D2965 Aft Cap per ICA-D117-762 Section 32.4.
- 2.8 Lower the aircraft per the Aircraft Maintenance Manual.
- 2.9 Update aircraft logbook to indicate that the D145-762-013/-113 Skidtube was modified per DSI 9825.
- 2.10 Maintain the upgraded skidtube installation per ICA-D117-762 as a CHG 007 Skidtube.

APPROVED

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DESIGN	ZF	DART AEROSPACE USA, INC. HILLSBORO, OR	
DRAWN	ZF		
CHECKED	MW	DRAWING NO.	REV. A
MFG. APPR.	DD	DSI 9825	SHEET 1 OF 3
APPROVED	NO	TITLE	SCALE
DE APPR.	DS	SKIDTUBE MODIFICATION	NTS
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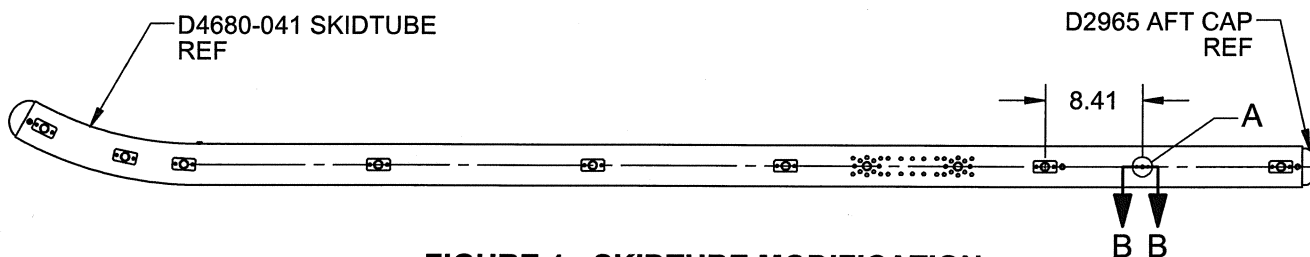
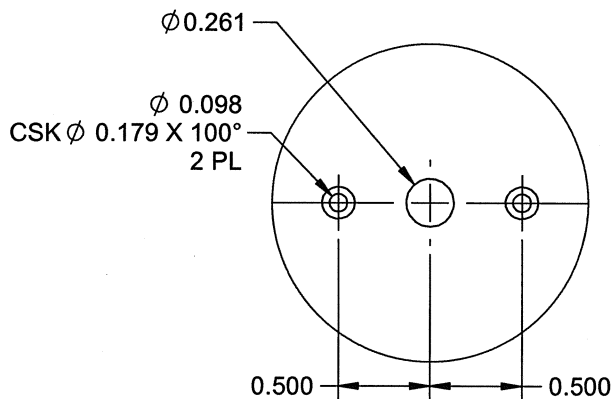
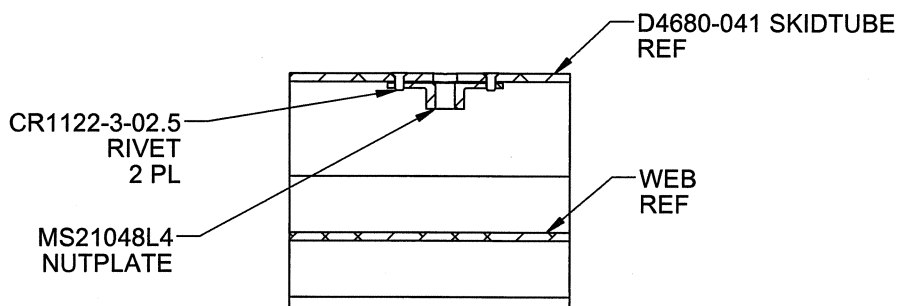


FIGURE 1 - SKIDTUBE MODIFICATION
FOR D145-762-013/-113 SKIDTUBE AT CHG 006 AND PRIOR



DETAIL A
DRILLING DETAIL
SCALE 8X, OUTBOARD SIDE



SECTION B-B
INSTALLATION DETAIL
SCALE 4X

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TABLE 1 - REPLACEMENT WEARPLATE P/Ns

Skidtube	Installed Side	Existing Aft Wearplate [CHG 001 - CHG 006]	Replacement Aft Weaplate [CHG 007 and sub]
D145-762-013	LH	D4682-043	D4682-043
	RH	D4682-043	D4682-044
D145-762-113	LH	D4773-041	D4773-041
	RH	D4773-041	D4773-042

3.0 WEIGHT AND BALANCE

There is negligible weight and balance change associated with this modification.

4.0 PARTS LIST

The quantity of components in this kit is for modifying one skidtube.

QTY -011	PART NUMBER	DESCRIPTION
X	DSI9825-011	NUTPLATE KIT
2	CR1122-3-02.5	RIVET
1	MS21048L4	NUTPLATE

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